

ABSTRACT

A novel information recording medium is provided which records information upon the application of 5 thermal energy, reads the recorded information by detecting the value of photoelectric current generated by light applied to the information recorded portion, and can realize multi-valued information recording or analog information recording.

10 The information recording medium comprises: a pair of electrodes; and a liquid crystal material filled into a gap between the electrodes, the liquid crystal material having a property such that the charge-transport properties are varied according to the phase 15 transfer between a plurality of stable liquid crystal phases of the liquid crystal and/or the history of the phase transfer.